

4. (Amended) A method according to claim 3, wherein the deviation of the boom position from the calculated theoretical position is measured as a function of both angles so that at the theoretical points indicating the boom position in horizontal and vertical directions at predefined intervals in a two-dimensional coordinate system, the deviation is defined as a function of the positions of the crossing joints.

5. (Amended) A method according to claim 1, wherein the deviations corresponding to each joint position are measured at predefined intervals in a certain joint position value and, when positioning the boom to the drilling position, the calculated theoretical position of the boom is corrected on the basis of the deviations corresponding to the joint positions obtained in this way.

8. (Amended) A method according to claim 1, wherein in addition caused by at least one other movement the deviation is measured as a function of the value of the movement sensor, and the theoretical position of the boom is corrected on the basis of the deviation corresponding additionally to this movement when positioning the boom to the drilling position.

10. (Amended) A method according to claim 1, wherein the deviations are stored as deviations of the drill bit position of the rock drill and deviations of the drilling direction determined by the drill steel axis.

14. (Amended) A rock drilling equipment according to [any of the claims 11 - 13] claim 11, equipped with a separate rotating mechanism for rotating the rock drill in relation to the boom end and about an axis that is parallel with the drilling axis of the rock drill, wherein the memory device is arranged to store the deviations between the true position of the boom and the theoretical position calculated on the basis of the joint sensors, as a function of the position of the rotation mechanism, and the calculating device is arranged to correct the boom position and the turning

angles of the joints between the boom and the carrier and correspondingly the turning angle of the rotating mechanism on the basis of the corresponding deviations.

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